

In the Specification:

On page 1, please amend the "Related Applications" paragraph (lines 5-6) as follows:

This application is a continuation application of U.S. Application Serial No. 09/635,521, filed August 9, 2000, which ~~This application~~ claims priority to U.S. Provisional Patent Application Serial No. 60/199,908, filed on April 26, 2000, all of which are hereby incorporated herein by referenced in their entirety. ~~incorporated herein in its entirety by reference.~~

On page 72, please amend the paragraphs beginning on line 1 as follows:

The comparison of sequences and determination of percent identity between two sequences can be accomplished using a mathematical algorithm. In a preferred embodiment, the percent identity between two amino acid sequences is determined using the Needleman and Wunsch (*J. Mol. Biol.* (48):444-453 (1970)) algorithm which has been incorporated into the GAP program in the GCG software package (available at [\[\[http://\]\]www.gcg.com](http://www.gcg.com)), using either a Blossom 62 matrix or a PAM250 matrix, and a gap weight of 16, 14, 12, 10, 8, 6, or 4 and a length weight of 1, 2, 3, 4, 5, or 6. In yet another preferred embodiment, the percent identity between two nucleotide sequences is determined using the GAP program in the GCG software package (available at [\[\[http://\]\]www.gcg.com](http://www.gcg.com)), using a NWSgapdna.CMP matrix and a gap weight of 40, 50, 60, 70, or 80 and a length weight of 1, 2, 3, 4, 5, or 6. In another embodiment, the percent identity between two amino acid or nucleotide sequences is determined using the algorithm of E. Meyers and W. Miller (*Comput. Appl. Biosci.*, 4:11-17 (1988)) which has been incorporated into the ALIGN program (version 2.0), using a PAM120 weight residue table, a gap length penalty of 12 and a gap penalty of 4.

The nucleic acid and protein sequences of the present invention can further be used as a "query sequence" to perform a search against public databases to, for example, identify other family members or related sequences. Such searches can be performed using the NBLAST and XBLAST programs (version 2.0) of Altschul, *et al.* (1990) *J. Mol. Biol.* 215:403-10. BLAST nucleotide searches can be performed with the NBLAST program, score = 100, wordlength = 12 to obtain nucleotide sequences homologous to GPCR 4941 nucleic acid molecules of the invention. BLAST protein searches can be performed with the XBLAST program, score = 100,

wordlength = 3 to obtain amino acid sequences homologous to GPCR 4941 protein molecules of the invention. To obtain gapped alignments for comparison purposes, Gapped BLAST can be utilized as described in Altschul *et al.*, (1997) *Nucleic Acids Res.* 25(17):3389-3402. When utilizing BLAST and Gapped BLAST programs, the default parameters of the respective programs (*e.g.*, XBLAST and NBLAST) can be used. See [\[\[http://\]\]www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov).